

Attorney Docket No. 0553-0402

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:) I hereby certify that this correspondence
Satoshi SEO et al	 is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Serial No.: 10/809,130) Commissioner for Patents, P.O. Box 1450,
Filed: March 25, 2004) Alexandria, VA 22313-1450, on <u>Oct. 7</u>
Art Unit: 1614	Cristie M. noll
For: ORGANIC-INORGANIC HYBRID MATERIAL, COMPONET FOR SYNTHESIZING THE SAME, AND	`
MANUFACTURING METHOD OF THE SAME	Date: <u>October 7, 2005</u>

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicant hereby calls the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application. Pursuant to 37 CFR §1.98(a)(2)(i) copies of cited US patent and US patent application publications are not submitted herewith. Copies of foreign patent documents and non-patent literature documents are enclosed herewith for the Examiner's consideration.

The family of JP 06-033050 cited herein includes: US patent no. 5,432,014

The family of JP 2003-077661 cited herein includes: US patent application publication no. US 2002/0197393 A1

No inference should be drawn that the attached list sets forth a comprehensive investigation of the prior art, that any or all are pertinent to the invention, or that any apparatus disclosed is equivalent to the subject invention.

The citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicant also respectfully reserves the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the instant patent application.

The references submitted herewith on 1449 form #1 were cited in an international search report in related PCT application no. PCT/JP2003/003610, which shares the same priority as the present case. The documents submitted herewith on 1449 form #2 are cited and/or referenced within the specification of the present case.

A first office action, notice of allowance or issue fee notification has not been received in this case, so Applicant does not believe that a fee is due. However, if any such fee is required, please charge our Deposit Account No. 50/1039.

Respectfully submitted,

Mark J Murphy

Registration No: 34,225

COOK, ALEX, McFARRON, MANZO, CUMMINGS & MEHLER, LTD. 200 West Adams Street Suite 2850 Chicago, Illinois 60606 (312) 236-8500



FORM #1	under Co
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LIST OF PUBLICATIONS
CITED BY APPLICANT

Atty Docket No.	<u>Serial No.</u>	
0553-0402	10/809,130	
Applicant		

Applicant Satoshi SEO et al

Filing Date Group
March 25, 2004 1614

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	5,432,014 US 2002/ 0197393 A1	07/11/95 12/26/02	Sano et al Kuwabara	428 427	690 66	11/25/92 06/04/02

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	APPLICANT	English Abstract	English Trans.	FILING DATE
	JP 06-033050 JP 09-102628 JP 09-279135 JP 10-259095 JP 11-031588 JP 11-273861 JP 2000-	02/08/94 04/15/97 10/28/97 09/29/98 02/02/99 10/08/99 11/02/00	Sanyo Electric Co Toray Ind. Inc. Toyota Central Res & Dev Lab Inc. Kaneko Kenzai KK NEC Corp. Asahi Glass Co Ltd Canon Inc.	X X X X X		11/25/92 10/04/95 04/17/96 03/18/97 07/11/97 03/24/98 04/20/99
	306669 JP 2003- 073387 JP 2003- 077661	03/12/03	Canon Inc. Semiconductor Energy Lab Co Ltd.	X X		09/04/01

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

(Include name of author (in CAPITAL LETTERS), title of article or item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages(s), volume-issue number(s), publisher, city and/or country where published).

- 1) International Search Report re application no. PCT/JP2004/003610, dated June 22, 2004 (in Japanese).
- 2) Written Opinion re application no. PCT/JP2004/003610, dated June 22, 2004 (with partial translation).

EXAMINER:

DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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FORM #2		<u>Atty Docket No.</u> 0553-0402	<u>Serial No.</u> 10/809,130			
LIST OF PUBLICATIONS CITED BY APPLICANT		<u>Applicant</u> Satoshi SEO et al				
	CITED BI APPLICANT		<u>Filing Date</u> March 25, 2004	Group 1614		
		U.S	. PATENT DOCUMENTS			
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
		FORE	IGN PATENT DOCUMENTS			L
	DOCUMENT NUMBER	DATE	APPLICANT	English Abstract	English Trans.	FILING DATE
	JP 06-166501	06/14/94	Diacel Chem Ind	Х		11/30/92
	JP 11-263615	09/28/99	Ltd. Chugoku Marine Paints Ltd.	Х		03/13/98
	JP 2002- 212422	07/31/02	Toyota Motor Corp.	X		01/17/01
	-3					

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

(Include name of author (in CAPITAL LETTERS), title of article or item (book, magazine, journal, serial, symposium, catalog, etc.) date, pages(s), volume-issue number(s), publisher, city and/or country where published).

- 1) SANCHEZ, C. et al, "Chemical Modification of Alkoxide Precursors," Journal of Non-Crystalline Solids, vol. 100, pp. 65-76 (1988).
- 2) SAKKA, S., "Science of Sol-Gel Method," Agune Shouhuu, Tokyo, pp.4-8 (1988)/with concise statement.
- 3) SHINMOU, K. et al, "Fine-Patterning of ZrO₂ Thin Films by the Photolysis of Chemically Modified Gel Films," Japanese Journal of Applied Physics, vol. 33, part 2, no. 8B, pp. L 1181- L 1184 (1994).
- 4) ERA, M. et al, "Organic-Inorganic Heterostructure Electroluminescent Device Using a Layered Perovskite Semiconductor $(C_6H_5C_2H_4NH_3)_2Pbl_4$," Applied Physics Letters, vol. 65, no. 6, pp. 676-678, August 8, (1994).
- 5) WEN, J. et al, "Organic/Inorganic Hybrid Network Materials by the Sol-Gel Approach," Chem Mater, vol. 8, no. 8, pp. 1667-1681 (1996).
- 6) YAMADA, N. et al, "Synthesis and Dynamic Mechanical Behaviour of Inorganic-Organic Hybrids Containing Various Inorganic Components," J. Mater Chem., vol. 7, no. 8, pp. 1491-1495 (1997).
- 7) DANTAS DE MORAIS, T. et al, "Hybrid Organic-Inorganic Light-Emitting Diodes," Adv. Mater, vol. 11, no. 2, pp. 107-112 (1999).
- 8) Section 4 Optical Material Relation: "Manufacture and Application of Organic-Inorganic Composite Coating Thin Film," Organic-Inorganic Hybrid Material (Technical Data Collections) Technical Information Institute Co., Ltd., pp. 208-215, July 30, (1999)/with full English translation, pp. 1-11.
- 9) SCHNEIDER, M. et al, "Novel Electroluminescent Devices Based on Perylene-Doped Sol-Gel Layers," Adv. Mater, vol. 12, no. 5, pp. 351-354 (2000).
- 10) SAKKA, S., Concise Statement re: sol-gel method, Ceramics, vol. 37, no. 3, pp. 136-142 (2002).

FXD	MT	MF	'nρ.	

DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP form. Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.